

19 CROSBY DRIVE 850F0RD, MASSACHUSETTS 01730 817-275-2970

C-583-8-8-30 August 5, 1988

Final Preliminary Assessment Becton Dickinson and Co. North Canaan, Connecticut TDD No. F1-8803-02 Reference No. \$375CTJ9PA CERCLIS No. CTD001139831

INTRODUCTION

The NUS Corporation Field Investigation Team (NUS/FIT) was requested by the Waste Management Division of the Region I U.S. Environmental Protection Agency (EPA) to perform a Preliminary Assessment (PA) of the Becton Dickinson and Co. facility located in North Canaan, Connecticut. The PA was completed under Technical Directive Document (TDD) Number F1-8803-02, issued in March, 1988.

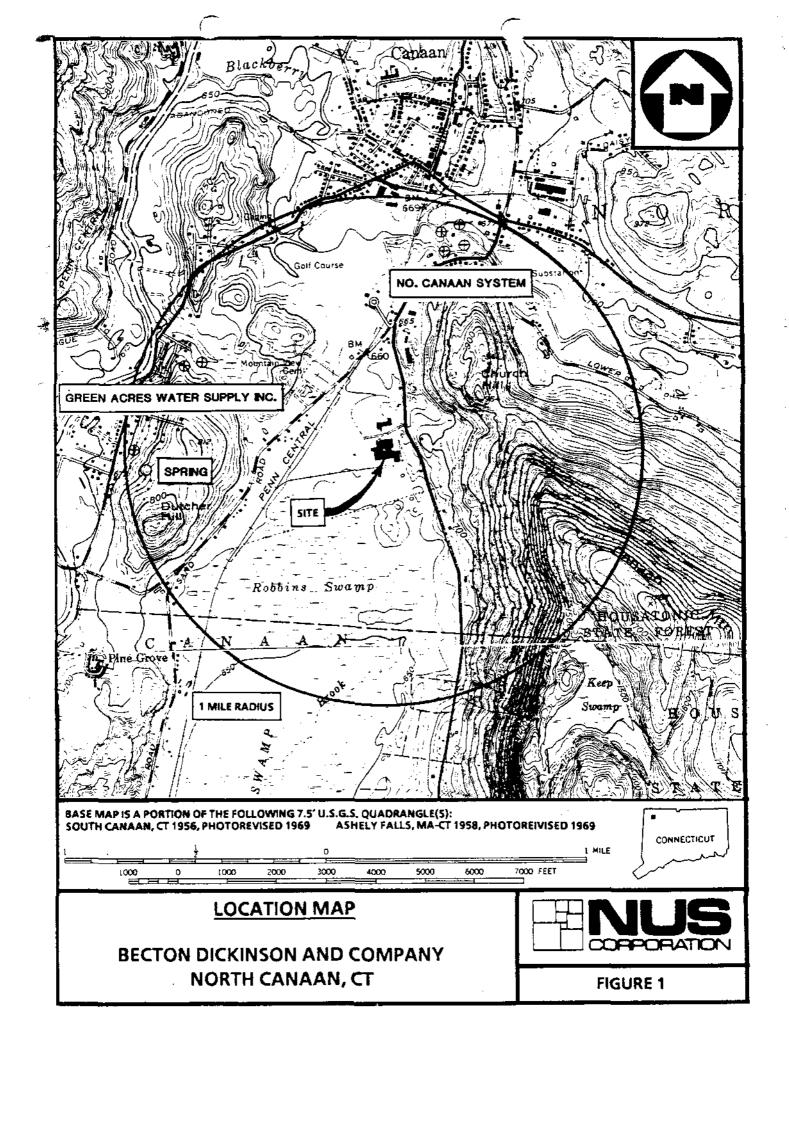
This PA complies with the requirements set forth under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended. It does not necessarily fulfill the requirements of other EPA regulations such as those under the Resource Conservation and Recovery Act (RCRA). The PA is not intended to be a definitive study of the site, and therefore is not suitable for use in planning a site remediation or undertaking enforcement actions against*potentially responsible parties. The PA represents the first step of the site screening process set forth by the National Contingency Plan (NCP).

The Connecticut Department of Environmental Protection (CT DEP) requested that EPA investigate the facility. Because of historic dumping of solvents to the septic system at the facility, it is on Connecticut's inventory of potential hazardous waste sites (CT DEP, 1987). This PA-has been reviewed by both EPA and the CT DEP.

FACILITY DESCRIPTION AND HISTORY

The Becton Dickinson and Co. facility (Becton Dickinson) is located at the intersection of Rte. 7 and Grace Way in North Canaan, Connecticut (Figure 1). The facility is owned by Becton Dickinson and Co. in Rutherford, New Jersey. The property consists of 73 acres of land (Robinson, K., 1988a). NUS/FIT personnel conducted a perimeter survey of the facility on March 17, 1988, at which time it was in operation. Upon entering Grace Way, the Becton Dickinson Driveway forks off to the left (south). There is a visitor parking area between the driveway and the east side of the building. At the end of the driveway there are at least two towers or tanks, and a vapor emission coming from this area was observed. At the north side of the building, adjacent to Grace Way, there is a shipping and receiving area within a large fenced-off employee parking lot. One of the gates was open. There is a small building at the end of Grace Way, adjacent to this parking lot. Between the west side of the building and an artificial hill covered with grass, there is a little shack. On top of the shack there is a tank, and a vapor emission coming from this area was observed (Figure 2) (NUS/FIT, 1988).

Another Company is located on the north side of Grace Way. Becton Dickinson is located in a heavily wooded area so that Robbins Swamp could not be seen, nor could any homes be seen from the facility (NUS/FIT, 1988). The nearest homes are approximately 450 feet to the south of the facility on the same side of Rte. 7 and 500 feet to the east, across Rte. 7 (USGS, 1969a). Becton Dickinson is located in a flat area, but across Rte. 7 there is a steep hill (NUS/FIT, 1988). The facility is located in a



HUTZLER MANUFACTURING GRACE WAY LITTLE BUILDING EMPLOYEE PARKING LOADING DOCK SHED ARTIFICIAL Ą HILL O WATER TOWER Ņ PARKING BECTON DICKINSON AND COMPANY LEACHING SYSTEM **ROBBINS SWAMP NOT TO SCALE** ADAPTED FROM SITE SKETCH ATTACHED TO CT DEP FORM P-5 FOR BECTON DICKINSON AND COMPANY SITE SKETCH **BECTON DICKINSON AND COMPANY** NORTH CANAAN, CT FIGURE 2

partly industrial, partly residential area of Rte. 7. North Canaan center, approximately 1.1 miles to the north, is a commercial area.

Becton Dickinson manufactures syringes. At the time of a CT DEP Hazardous Waste Inspection conducted in 1986, the approximate quantities of wastes drummed at the facility included 1,1,1-trichloroethane (1 drum/2 months), ethylene glycol (or propylene glycol) and water (18 gallons per month or gpmo), chlorinated solvents and ink (1 drum/2 months), waste hydraulic oil (25 drums/year), and #4 oil/Kerosene (1 drum/4 months). The drums were removed by various transporters. Alkaline cleaner (94 gpmo) and amitron soluble oil (2-3 gpmo) were discharged to the city sewer. The use of "EDM" machines, a closed circuit chrome rinse, and acetone thinners reportedly produced no waste. Condensation wastewater contaminated with ethylene oxide from the syringe sterilization process was discharged to the onsite septic system (CT DEP, 1986). A CT DEP memo dated 1974 stated that the facility used 1000 gallons of ethylene oxide per day (Gove, J., 1974). Other chemicals used at the facility before 1986 include toluene, Solvent 304, Butyl Cellosolve (2-Butoxy ethanol), and Safety Kleen (CT DEP, 1984a). The first inspection of the facility was conducted by the CT DEP in 1981 (Robinson, K., 1988b).

Becton Dickinson notified EPA on August 8, 1980 of its RCRA Underground Injection Control status as a TSD facility (CT DEP, 1984; US EPA, 1988). The waste code is U115, ethylene oxide, which is classified as ignitable and toxic (US EPA, 1980, 1988). The permit status code is 5, indicating Part A was withdrawn because it never met criteria. No other waste codes are given for the facility (US EPA, 1988). During the 1986 CT DEP inspection, the inspector indicated that Becton Dickinson was acting as a small quantity generator (CT DEP, 1986).

On November 23, 1981 a Permit Order (No. 3153) was issued to Becton Dickinson by the Connecticut Commissioner of Environmental Protection. This Order permitted the discharge of 16,750 gallons per day (gpd) of domestic sewage to the town of North Canaan sewerage system (Serial 001) and 13,750 gpd of sterilization wash waters to the groundwaters in the watershed of Swamp Brook (Serial 002) (CT DEP, 1981a). Becton Dickinson was also required to monitor Serial 002 monthly and conduct a hydrogeologic study to examine the possible effects on the groundwater and surface water of its long standing disposal of ethylene oxide and ethylene glycol to a leaching field (Moore, RE, no date; CT DEP, 1981a). The permit application stated that this practice had commenced in 1964 (Becton Dickinson, 1981).

On February 4, 1982 an NPDES permit (No. 81-116 CT0024023) was issued to Becton Dickinson for two separate discharges totaling a discharge of 60,500 gpd of non-contact cooling water "directed to the northern end of Robbins Swamp" (CT DEP, 1981b and 1982). The permit expired in February 1987 and was not reissued (Robinson, K., 1988c).

As of 1984, there were four boilers at the facility with air permits, and no violations had been reported. Until March 1982, ethylene oxide was discharged to the atmosphere (CT DEP, 1984b).

A summary of events involving the facility is as follows:

- November 4, 1977 A CT DEP Water Compliance Inspector completed a P-5 form and sketch of Becton Dickinson. The sketch placed the leaching field at the west side of the facility (Figure 2) (CT DEP, 1977).
- March 17, 1980 The CT DEP responded to a complaint that 110 gallons per week of solvents were being discharged at the rear of the building (Senack, R.W., 1980; Robinson, K. 1988b).
- March 17, 1980 The Maintenance Superintendent at Becton Dickinson stated that the cleaning or solvent wastes (including Hexcel F0304 and 519A, Axothene, Kerosene and Butyl Cellosolve) were discarded by plant personnel at the municipal refuse disposal site.

The Superintendent was directed to collect all waste solvent in quality drums and to store them in a secure area for collection by a licensed waste hauler (Senack, R.W., 1980).

- April 14, 1980 A grab sample taken from a waste collection drum analyzed at the CT Department of Health (DOH) was reported to contain volatile organic compounds including a concentration of 310 g/L (parts per thousand) of 1,1,2,2-tetrachloroethylene (CT DOH, 1980).
- October 12, 1981 Malcolm Pirnie, Inc. reported to the CT DEP the results of an analysis of the wastewater from the sterilization process and found maximum concentrations of 12,000 mg/L (parts per million or ppm) of ethylene oxide and 5,204 mg/L (ppm) of ethylene glycol (Malcolm Pirnie, Inc., 1981).
- November 23, 1981 Permit Order No. 3153 was issued to Becton Dickinson permitting the discharge of water containing ethylene oxide and ethylene glycol to the groundwater (CT DEP, 1981a).
- December 12, 1981 CT DEP conducted a Hazardous Waste Inspection of Becton Dickinson.
- 1981-1982 Malcom Pirnie, Inc. prepared hydrogeologic reports for Becton Dickinson which
 were reviewed by the CT DEP in March 1982 (Marin, P., 1982). Nested wells were installed
 to the north, south, and east of the facility. These wells and surface waters to the west of
 the facility were sampled (Becton Dickinson, 1982).
- February 4, 1982 An NPDES Permit Order (No. 3208) was issued to Becton Dickinson permitting the discharge of cooling water to Robbins Swamp and placing restrictions on the discharges (CT DEP, 1982).
- January 1983 Malcolm Pirnie; Inc. analyzed the sterilizing wastewater discharge and reported maximum concentrations of 3,930 mg/L (ppm) ethylene oxide and 192 mg/L (ppm) ethylene glycol. Flash points were determined to be >60° (Lauria, J.M., 1983).
- March 10, 1983 Becton Dickinson requested to be delisted as a TSD facility (letter states they had previously applied for interim status).
- March 1, 1984 The CT DEP completed a Preliminary Assessment (PA) of Becton Dickinson which stated that before November 1981, 160 gpmo of sodium hydroxide were discharged to a leaching field, as were (according to rumor) 1 drum per month of trichloroethane (CT DEP, 1984b). The PA stated that ethylene oxide levels in groundwater samples taken from the wells were reported to be less than 0.5 mg/L (ppm) (CT DEP, 1984b).
- July 1984 CT DEP conducted a Hazardous Waste Inspection of Becton Dickinson (Robinson, K., 1988b).
- October 11, 1984 A Notice of Violation (No. 0166) was issued to Becton Dickinson by the CT DEP Hazardous Waste Management Section (Hitchcock, S.W., 1984).
- 1984 Becton Dickinson ceased mixing the hydraulic waste oil with 1,1,1-trichloroethane waste in late 1984. A cleanup of the contaminated oil generated 25 drums which were removed by Tri-S in 1985. Currently the oil and 1,1,1-trichloroethane are handled as two separate waste streams and stored in separate containers (Robinson, K., 1988b).
- December 8, 1986 CT DEP conducted a Hazardous Waste Inspection of Becton Dickinson.

 August 1987 - An anonymous complaint was received by the CT DEP which stated that at least until fall 1981 cleaning solvents used in the maintenance area at Becton Dickinson were dumped onsite along a dirt road off the truck service area. A CT DEP memo noted that in 1980 the truck service area was on the north side and was relocated in 1984-1985 to the west side (Robinson, K., 1988b).

The Bridgeport Hydraulic Co., Litchfield Division, North Canaan System services the area where Becton Dickinson is located and owns four wells and one reservoir within one mile of the facility. Green Acres Water Supply Inc. owns 3 wells within one mile of the facility (Figure 1) (CT DEP/NRC, 1982). The estimated population served by public water supplies located within a 3-mile radius of the facility is 2,100 people (Robinson, K., 1988d). The CT DEP water quality classification in the immediate area of the facility is GB/GA, indicating it presently may not be suitable for direct human consumption without need for treatment (Murphy, J.E., 1987). The State's goal is to restore the groundwater to drinking quality. There are three water supply wells at the facility (CT DEP, 1986). It is unknown if any are currently in use.

Robbins Swamp is located approximately 1,200 feet to the south of the facility (USGS, 1969a). The Housatonic River is approximately 1.0 mile to the northwest of the facility. The Housatonic River has a CT DEP surface water quality classification of D/Bc (Murphy, J.E., 1987). A classification of D/Bc indicates that the River is severely polluted and the State's goal is to upgrade its quality to Bc, which is suitable for recreational use, wildlife habitat, agricultural and industrial supply, and cold water fisheries (Murphy, J. E., 1987). The Housatonic River's recreational use is limited due to contamination with PCBs originating upstream, in Pittsfield, MA. In 1972, a ban prohibiting fishing was posted along the river (Robinson, K., 1988e). Now fishing is permitted as long as the fish are thrown back (Robinson, K., 1988f).

Fences at the Becton Dickinson facility do not prevent the public from gaining access to the property. Since contaminants are known to have been disposed of onsite, there is possibly a public risk due to direct contact with wastes at the facility.

CONCLUSION

Condensation water containing ethylene oxide was discharged to a leaching field beginning in 1964 and to the groundwater following 1981. Malcolm Pirnie, Inc. investigated the impacts of this practice, and as of March 1984, ethylene oxide concentrations in groundwater monitoring wells were < 0.5 mg/l (ppm). There have also been allegations that solvents and sodium hydroxide were dumped onsite. Due to documented release of ethylene oxide and ethylene glycol to the groundwater, and insufficient knowledge of past and present solvent disposal practices at the facility, NUS/FIT recommends that a Screening Site Inspection be conducted at a high priority.

Submitted By:

Katherine Robinson Project Manager

Approval:

Soanne O. Morin FIT Office Manager

KR/kk

REFERENCES

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CT DEP. 1981a. Permit Order No. 3153 issued to Becton Dickinson by the Commissioner of Environmental Protection, November 23.

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CT DEP. 1984a. Hazardous Waste Inspection Checklist, Becton Dickinson and Company. Inspected by the Connecticut Department of Environmental Protection, July 13.

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Lauria; J.M. (Malcolm Pirnie). 1983. Letter to Mr. Robert Leonard (Becton, Dickinson and Co., Inc.), February 7.

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Marin, P. (CT DEP). 1982. "Becton, Dickinson and Company, Canaan, Connecticut: Hydrogeological Report," interdepartment message to Michael Harder, March 3.

Moore, R.E. (CT DEP). No date. "Order 3153," interdepartment message to Stanley J. Pack, 1981?

Murphy, J.E. 1987. <u>Water Quality Classifications Map of Connecticut.</u> Connecticut Department of Environmental Protection, Water Compliance Unit.

NUS/FIT. 1988 (issued). Logbook No. 88-1135. Becton Dickinson., TDD No. F1-8803-02. Perimeter Survey Information.

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Robinson, K. (NUS/FIT). 1988c. Telecon with Christine Yario (CT DEP/WCU), RE: Becton Dickinson NPDES permit history, March 23, 1030 hours.

Robinson, K. (NUS/FiT). 1988d. Project Notes: population served by public water supplies located w/in 3 miles of facility. Becton Dickinson, dated March 15.

Robinson, K. (NUS/FIT). 1988e. Telecon with Frank Barttolomew (CT DEP/PCB-Toxics Group), RE: PCBs in the Housatonic River, March 31, 1015 hours.

Robinson, K. (NUS/FIT). 1988f. Telecon with North Canaan Town Clerk, RE: Recreational uses of the Housatonic River, March 30, 0205 hours.

Senack, R.W. (CT DEP). 1980. "Canaan-Becton, Dickinson & Co., Inc. solvent & Cleaning agent use and disposal method," interdepartment message to Mike Harder, March 25.

US EPA. 1980. "Identification and Listing of Hazardous Waste (40 CFR Part 261)," <u>Federal Register.</u> Vol. 45, No. 98: p. 33126. US Environmental Protection Agency, May 19.

US EPA. 1988. RCRA Hazardous Waste Handlers Report, Region 1. US Environmental Protection Agency, July 30.

USGS. 1969a. Ashley Falls Quadrangle, Massachusetts - Connecticut. U.S. Geoglogical Survey, 7.5' Series (topographic). 1958, photorevised in 1969.

USGS. 1969b. South Canaan Quadrangle, Connecticut. U.S. Geological Survey, 7.5' Series (topographic). 1956, photorevised 1969.



04 PERSON RESPONSIBLE FOR -35ESSMENT Katherine Robinson

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

CT D001139835

PART 1 SITE INFO	ORMATION A	ND ASSESSI	MENT	ст	D00	1139831
II. SITE NAME AND LOCATION	·					
01 SITE NAME (Legal, common, or descriptive name of site)	01 STREET, RO	OUTE NO., OR SPECIF	TC LOCATION IDENTIFIER			
Becton Dickinson and Co.	Rte. 7 a	nd Grace Wa	ay			
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNT	γ	08 <u>C</u> ONG
North Canaan	ст	06018	Litchfield	005		06
09 COORDINATES LATITUDE LONGITUDE			·····	<u> </u>		
42 * 00' 40"N 73 * 20' 00" W						
16 DIRECTIONS TO SITE (Starting from nearest public road) Take Rte. 44 West to North Canaan; Turn left onto Rte. 7 South. Bect	too Diekiess	ifa i	inhe (man)	•		
- sand rives						
III. RESPONSIBLE PARTIES						
on owner (IF KNOWN) Becton Dickinson and Co.	02 STREET (84 Cornelia	usiness, mailing, res 1 Street	idential)			
03 CITY	04 STATE	05 ZIP COOE	06 TELEPHONE NUMB	IER		
Rutherford	NJ	07073	(201) 460-200	00	_	
97 OPERATOR (If known and different from owner) Ron Boyles, Engineer	08 STREET (84	usiness, mailing, res	idential)		_	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUM	BER		
North Canaan	ст	06018	(203) 824-54	87		
13 TYPE OF OWNERSHIP (Check one)		• • • • • • • • • • • • • • • • • • • •	 			
S X A. PRIVATE B FEDERAL.			C. STATE:	D. COUNTY:		E. MUNICIPAL:
		(Agency name	G. UNKNO	wn		
(Speafy)						
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)						
A, RCRA 3001 DATE RECEIVED: 08/08/80	D WASTE SITE (CERCL	A 103c) DATE REC	EIVED:			C. NONE
IV. CHARACTERIZATION OF POTENTIAL HAZARD						
91 ON SITE INSPECTION BY (Check all that apply	·)					
YES A. EPA	B. EPA CONTRACTO	R 🔀 C. STA	TE D. OTHER CO	NTRACTOR		
DATE 12/8/86	LTH OFFICIAL (F. OTHER:	····			<u>.</u>
CONTRACTOR NAM	E(5):		(<i>Spec</i>	ily)		
02 SITE STATUS (Check one) 03 YEA	ARS OF OPERATION	062	currently			
A ACTIVE S.INACTIVE C. UNKNOWN			operating		U NKNOV	٧N
MA DESCRIPTION OF SUBSTANCES POSSIBLY PROFESTY VANDAMING OF THE STANCES	\$E(GINNING YEAR	ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED	106A D		altone to the control of the control			
Water containing ethylene oxide discharged to leaching field since 1	। ५७४. Reports of :	solvent and so	aium nydroxide disp	oosal onsite.		
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION		-				
Contaminants could enter groundwater. Seven public wells are local	ated within one n	nile of the facil	ity. There are wetla	ınds on the p	ropert	y.
V. PRIORITY ASSESSMENT						
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 -	Waste Information and	d Part 3 - Descriptio	n of Hazardous Condition	and Incidents)		
A. HIGH (Inspection required promptly) 8. MEDIUM (Inspection required)	promptly) [C	. LOW ('Inspect on t	ime available basis)	D. NONE (No	further plete dis	action position form)
VI, INFORMATION AVAILABLE FROM						
01 CONTACT : Richard Pease 02 OF (Agency/Organizati	ion), CT DEP		03 TELEPHO	NE NUMBER	203-5	66-5486
						

TS GUENCY NUS DE ORGANIZATION FIT OF TELEPHONE NO (617)275-2970 DE DATE 7/15/88

Site Name: Becton Dickinson and Co.

CERCLIS No.: CTD 00 1139831
TDD No.: FI- 8803-02
Reference No.: \$375 CTJ9 PA

NPL ELIGIBILITY CHECKLIST

	YES	NO	COMMENTS
Are the wastes onsite considered hazardous as defined in CERCLA?	X		
*Sites covered by other authorities:			
Are the hazardous materials at the site sole petroleum products (gasoline, oil, natural gas)?	∌ly 	<u>×</u>	
Is the contamination at the site caused solely by pesticides that were applied using an accepted practice?	· 	×	***
If the release is into public or private drinking water systems, is it due to deterioration of the system through ordinary use?	y	×	
Is the release from products which are part of the structure, and result in exposure within residential, business, or community structures?		×	~
Did the release result in exposure to people solely within a work place?	e 		unknown
Does the facility have an Underground Injection Control permit under the Safe Drinking Water Act?		×	never. met criteria
Is the release the result of the normal application of fertilizer?		×	~
Does the release involve naturally occurrin substances in their unaltered form?	g	X	
Does the contamination at the site consist solely of radioactive materials generated by Department of Energy/Atomic Energy Commission activities?		×	
Is the contamination at the site caused solely by coal mining operations?		×	
Does the facility have a permit from EPA or the U.S. Army Corps of Engineers (under the Marine Protection, Research, and Sanctuaries Act) to dispose of dredged materials in ocean waters?		×	

Reference No.: \$375 CT 59 PA YES NO COMMENTS *Other issues of site definition: Is the site defined solely as a contaminated well field? Is the site currently owned or operated by a federal agency, or has it been in the past? Is the site a municipal landfill? -- Check if there is documentation of industrial waste disposed of. Does the waste consist of a "special waste" such as fly ash? -- Check if there is documentation of a hazardous component-to the waste. Does the facility have an NPDES permit? Check if the facility has a history of permit violations. Is the facility subject to ambient air quality standards under the Clean Air Act? Does the facility have a permit under the Clean Air Act? *RCRA status Has the facility notified as a RCRA generator? Tart A Has the facility ever had RCRA interim status or a RCRA permit? If yes, check any that apply: -- The facility is a small quantity generator. -- The facility is a "non-notifier" or "protective filer" (identified as such by EPA or the state).

Site Name: Becton Til Kinson and Co-

TDD No.: CTD 001139831

Site Name: CERCLIS No.: TDD No.: Reference No.:

*RCRA status (continued)

-- The owner of the facility is bankrupt, or the owner has filed for protection under bankruptcy laws (if known).

-- A RCRA compliance order or notice of violation has been issued for the facility at some time.

--- C sturag

The order or notice concerned:
- conditions that posed a hazard (i.e. a release of contamination to the environment) OR

 administrative violations (i.e. recordkeeping or financial requirements).

-- Some RCRA enforcement action is currently pending at the facility.

-- A RCRA permit has been denied or interim status has been revoked for the facility.

The permit or interim status was revoked:

-because of conditions at the facility that posed a hazard OR

-because the facility failed to meet an administrative requirement (i.e., failed to file an acceptable Part B permit application).

-- A closure plan has been requested or submitted for the facility under RCRA.

-- A closure plan has been approved for the facility under RCRA.

-- The facility is closed and currently monitoring under RCRA regulations.

(sturage over 90 days)

CERCLIS DATABASE FORM

Date: May 27, 1988 SITE NAME: Becton Dickinson and Co.
CERCLIS NO. CTOOOII \$9831
TDD No. FL-8803-02 PROJECT MANAGER: Katheone West to North Directions to site: Rte Cangan Turn left onto Rte South on the right. ELEMENT CERCLIS CODE DESCRIPTION ENTRY (NO.OF POSITIONS) I. For all projects State C2(2) Postal code Site ID (if available) C101(12) Dun & Bradstreet or GSA Becton Dickinson Site Name C104(40) Street Address C110(40) orth Canaan City C111(25) County *TBD FF = Federally owned
ST = State owned Ownership C136(2) CO = County owned DI = District owned IL = Indian lands MI = Mixed ownership UN = Unknown *TBD =Municipally owned *TBD = Privately owned Private OH = Other 1962 to operating Years of . *TBD Operation

FMS Number

(if assigned)

C315(4)

DESCRIPTION ENTRY CERCLIS CODE ELEMENT (NO.OF POSITIONS) For PAs: Recommendation C2103(1) High = SI Required
M = Med. = SI Recommended
N = NFA = No Further Action/Pending of Most Recent Project at Site I = Ineligible under CERCLA "For SIs: H = -LSI Recommended D*= Deferred N = NFA (No HRS TRecommended) C2105(20) Abbreviated Comments Note . Reason for Ineligibility (for Sites Determined Ineligible under **TBD == ...Petroleum CERCLA) **≠**contamination only *TBD = Active RCRA facility ***TBD = _ Properly applied pesticide *TBD = Nuclear/radioactive waste *TBD = All other i reasons Agency Responsible for Work F = EPA, Fund financed at Site C2117(2) S = State, Fund financed SN = State, no fund financing FF = Federal facility *TBD = Responsible Party II. Only for sites with HRS Latitude and *TBD Coordinates Longitude

ELEMENT	CERCLIS CODE (NO.OF POSITIONS)	DESCRIPTION ENTRY
Type of Facility or	,	
Source	C137(1)	B = Chemical Plant C = City Contamination L = Landfill M = Manufacturing Plant N = Military Facility F = Other Federal Facility T = Mines/Tailings P = Lagoons A = Abandoned/ Midnight dumping
If Unknown, Type of Waste		
Present		<pre>R = Radioactive Waste J = Inorganic Waste *TBD = Organic Waste I= Other Industrial Waste D = Dioxin</pre>
If Both Unknown,		
Type of Receptor Affected	•	<pre>V = Waterways/river H = Housing Area W = Drinking Water Wells *TBD = Ecological Receptors O = Other</pre>
Abstract	C201(240)	Site Description

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\$EPA	POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT			OT STATE OF	LISTENTIFICATION OF STATE OF STE NUMBER CT DOOT/3983/		
II. SITE NAME AND LOCATION	THE STATE OF THE S						
DI SITE NAME IL SON COMMON OF DESCRIPTION OF SERVI		D2 STREE	T. AOUTE NO., O	R SPECIFIC LOC	ATION DENTIFICA		
Becton Dickinson Co.		Rt	= 7			·	
North Canaan			06018	Litch.	field	07 COUNT 106 CONG COOE DIST COS 06	
09 COORDWATES LATITUDE	#ONGITUDE						
From Hartford take North.	Rte. 44 West	to 1	Vorth	Canaa	n. Take	. Rte 7	
III. RESPONSIBLE PARTIES			, -				
01 OWNER (Fanoria)		02 STREE	T (Business many)	residential)			
Corporate Headqua	chers		CK CO		DR.		
Paramus		[0 . 0	0765		LIGHT MANUFER	-	
07 OPERATOR IS Brown and Green from some? Robert Leonard; E	ngr Manager	OB STREE	1 Business making.	(asdense)			
North Canaan		TOSTATE	06016	_ 1	HONE HUMBER 824-5487		
13 TYPE OF OWNERSHIP (CHICK SHE!		101	L	i			
E A, PRIVATE DB. FEDERAL DATE DD.COUNTY DE MAUNICIPAL DF. OTHER: DG.COUNTY DE MAUNICIPAL DG. UNKNOWN							
14 OWNER OPERATOR NOTIFICATION ON FILE ICHO							
DA. RCRA 3001 DATE RECEIVED: 08 10	8 80 DB UNCONTROLL	ED WAST	E SITE ICEACLE	M # DATE RE	CEIVED: MONTON DA	Y YEAR DIC NONE	
IV. CHARACTERIZATION OF POTENTIAL H		_ <u></u>		 -			
DI ON SITE INSPECTION LYES DATE 12 18 81 DI NO MONTH DAY YEAR	BY (Creck of Price secty) D. A. EPA D. B. EPA D. E. LOCAL HEALTH OFFI	A CONTRA ICIAL [CTOR E	C. STATE	D D. OTHER	CONTRACTOR	
<u> </u>	CONTRACTOR NAME(S): .						
02 SITE STATUS (Check one) BA ACTIVE DB. NACTIVE DC. UNK	03 YEARS OF OPER		7 / 20	sent	E UNKNOWN		
DA DESCRIPTION OF SUBSTANCES POSSIBLY PRESER		A GARAGE		io real-			
ethylene oxide 111, trichlomethane	waste oil Cobalt 6	0					
Na OH OSDESCRIPTION OF POTENTIAL HAZARD TO ENVIRON THERE WAS ON SIKE dumping Heaching field. Eto -13 sood drum por me of trichlon charged to the atmosphere of	ment undicapopulation of latere 11/81: Na ofday (mixed w/ with the went to with 3/52. Were	Hzo) 1 4 lead is a .	160 g/mo to a tead shown fie small su	to a dishory from	rain that Id. Ruman yiene oxid othe prope	wont to a s that one e was dis-	
V. PRIORITY ASSESSMENT							
01 PRIORITY FOR INSPECTION (Check one if high or medium (I) A. HIGH Inspection required promoting (Inspect			@ D NO	NE	s and expenses tompress current desposits	miles follows:	
VI. INFORMATION AVAILABLE FROM					_ 		
Patrick F. Bowe	02 OF (Apancy Organia C.TD	_	· · · · · · · · · · · · · · · · · · ·			03 TELEPHONE NUMBER (203) 576-8843	
DA PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY		AVEZATION	D7 TELE	PHONE NUMBER	DE DATE	
K. McCann	CT-DEP	<u> </u>			same!	03 .01 ,84 WON'TH DAY YEAR	
EPAFORM 2070-12 (T-41) KINFO. GOX MADC.	thered from	DEP	AKSO	nly. No	onsite a	spessment	

		POT	ENTIAL HAZAR	DOUS WASTE	SITE	L IDENTIFICATE	
>EF	PA		PRELIMINARY	NARY ASSESSMENT OF STATE OF ST			
ASTE ST	TATES, QUANTITIES, AN	D CHARACTER	STICS				
A SOUD B POMDE C SLUDGE	MG GAS	TONS .	UNKNOWN UNKNOWN UNKNOWN	O3 WASTE CHARACTERISTICS (CHICA AT MAN MODY) A TOXIC E SOLUBLE LHIGHLY WOLLAY B LCORROSIVE FAMEGROUS SERPLOSIVE (AC RADIOACTIVE G FLAMMABLE K REACTIVE () D PERSISTENT H KONITABLE L INCOMPATIBLE M NOT APPLICA			VE VATIBLE
WASTE T	YPE	 					
ATEGORY	SUBSTANCE N	IAME	OT GROSS AMOUNT	G2 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE		1				
OLW	DILY WASTE		1				
SOL	SOLVENTS		unknown				
PSD	PESTICIDES			 			· · · · · · · · · · · · · · · · · · ·
occ	OTHER ORGANIC CH	HEMICALS	unknewn		 	•	%
юc	MORGANIC CHEMIC		turior sair				
ACD	ACIDS					· · · · · · · · · · · · · · · · · · ·	
BAS	BASES		unknewn				
MES	HEAVY METALS						
V. NAZARD	OUS SUBSTANCES (544 A	ppendix for missi trequen	Hy cana GAS Aumbers!	* • • • • • • • • • • • • • • • • • • •			
CATEGORY	02 SUBSTANCE N		D3 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	DE MEASURE OF
occ	Ethulene Os	ride	4115	unknown		un Krown	unknown
50L	,,	oethane.	25323-89-	1		1	1
BAS	NaOH		1336-21-6	J		<i></i>	1
	}						
				}			
			1				1
			1				
			1	1			
				1			1
]
/. FEEDSTO	JCKS (See Appendix for CAS feath)	P+/5!	- 				·
CATEGORY	g1 FEEDSTOX	CK NAME	DR CAS HUMBER	CATEGORY	Ø1 FEEDSTO	ÇK NAME	02 CAS NUMBER
			1				3.4.0.00000000

VI. SOURCES OF INFORMATION (Can specing information and

State of Connecticut Dept. of Environmental Protection files:

Hazardous Waste Management

Water Compliance

Air Compliance

EPAFORM 2070-12 [7-81]

FD\$

FOS FDS

FOS

FDS

	POTENTIAL H	AZARDOUS WASTE SITE		TIFICATION
PRELIMINARY ASSESSMENT		OI STATE	DOOLLEGE	
374173	PART 3 - DESCRIPTION OF HA	ZARDOUS CONDITIONS AND INCIDENTS	1 1	P∞/139831
E. HAZABDOUS CONDIT	IONS AND INCIDENTS			
DI LA GROUNDWATE		02 ED OBSERVED (DATE)	D POTENTA	L VALLEGED
03 POPULATION POTEN	included 3 and	04 NARRATIVE DESCRIPTION	k 50-f	or to burl
company rices	THE AS IN WESTING	groundwater monitoring well	- Loanh	no field:
15 co.5 mg/1.	Trior to 11/81 moths	was on site dumping to a		Ty Thea.
Na OH (1603/mo.)	; ETO 4 HZU (13,500 5/404)	; one drum of trichloroethani	e per me	
01 TE B SURFACE WATE	R CONTAMINATION	D2 _ OBSERVED (DATE	D POTENTO	ALLEGED
03 POPULATION POTENT		04 NARRATIVE DESCRIPTION		
some as	above			
	W. S. C. S.	00 = 00000	SU POTENTU	
01 D/C: CONTAMINATIO 03 POPULATION POTEN	TIALLY AFFECTED	D2 TO OBSERVED (DATE) D4 NARRATIVE DESCRIPTION		
thorp are	four boilers on	site. They have air c	mplia	nce.
pormite x/	· violations have	been reported	,-	
Per 17113. 740	, Marchines -			
01 D D FREEXPLOSIVE	CONDITIONS	D2 _ OBSERVED (DATE)	IL POTENTA	N. D. ALLEGED
03 POPULATION POTENT	HALLY AFFECTED	OK NARRATIVE DESCRIPTION		
Presence a	of trichloroethan	e		
, , , , , , , , , , , , , , , , , , , ,				
DIE DEEDI DONIA		02 _ OBSERVED IDATE1	T POTENTA	AL E MIEGED
03 POPULATION POTEN	HALLY AFFECTED	D4 NARRATIVE DESCRIPTION		
,	un Kin mal O	•		
-6	INKNOWA			
		· · · · · · · · · · · · · · · · · · ·		·
01 BF, CONTAMINATIO 03 AREA POTENTIALLY		02 C OBSERVED (DATE	S-POTENTY	AL E ALLEGED
1	4≜ ⊆+ e \$.			
Former ons	ite dumping to	a leaching thela		
1	•	\circ		
	···,			<u>.</u>
01 DG DRINKING WATE		02 12 OBSERVED (DATE	E POTENTA	AL L'ALLEGED
		· / · · · · · · · · · · · · · · · · · ·	•	
See narrat	we wer groun	duster contamination		
1	J			
01 C 4 MOS-CS			(-	
01 E H WORKER EXPO		04 NARRATIVE DESCRIPTION	# POTENTA	AL (: ALLEGED
}				
	MKNOW N			•
<u>}</u>	• • •		/	
01 LT POPULATION EX	POCUPE WILEY	O2 COREDVER CATE		Ar Therese
D3 POPULATION POTEN		02 C OBSERVED (DATE	C POTENTU	AL D'ALLEGED

EPA FORM 2070-12 (7-81)

unknown

	POTENTIAL HA	POTENTIAL HAZARDOUS WASTE SITE			L IDENTIFICATION		
SEPA		ARY ASSESSMENT		01 STATE 02 SITE NUMBER			
PART 3 - DESCRIPTION OF HAZARDOUS CONDITI					CT DOO1137831		
E HAZABOONIC CONOC				 _	 _		
	FIONS AND INCIDENTS (Communication)						
01 () J DAMAGE TO FU 04 NARRATIVE DESCRIPT		02 - OBSERVED (DATE:	, .	D POTENTIAL .	D ALLEGED		
un	Known			,			
01 E. K. DAMAGE TO FA 04 NARRATIVE DESCRIPT		02 @ OBSERVED (DATE:	_} 1	POTENTIAL	D ALLEGED		
U	nknown						
01 C L CONTAMINATION 04 NARRATIVE DESCRIPT		02 C OBSERVED (DATE:	1	POTENTIAL	□ ALLEGED		
	unknown						
OI EM UNSTABLE COM	ITAINMENT OF WASTES	02 C OBSERVED (DATE	1	POTENTIAL	DALLEGED		
03 POPULATION POTENT		04 NARRATIVE DESCRIPTION		-	-		
on site a	lumping = prior +	0 11/8/					
01 T N. DAMAGE TO OF 04 NARRATIVE DESCRIPT		02 C OBSERVED (DATE:) 1	POTENTIAL	C ALLEGED		
unk	NOWN	•					
01 (2 O. CONTAMINATIO 04 NARRATIVE DESCRIPT	N OF SEWERS, STORM DRAINS, WWTPs	02 D OBSERVED (DATE:		POTENTIAL	D ALLEGED		
unk	nown				-		
01 E P. ILLEGAL/UNAUT 04 NARRATIVE DESCRIPT		02 TO OBSERVED (DATE	_1	POTENTIAL	4D ALLEGED		
. unk	cnown			•			
05 DESCRIPTION OF ANY	OTHER KNOWN, POTENTIAL, OR ALLEC	GED HAZARDS					
u	nknown						
III TOTAL BOOM ATION	N POTENTIALLY AFFECTED: W	Krown	- 				

This assessment was made from into available in CT-DEP file

Cathered by inspectors other than myself. No on-site assessment from a PA standpoint was made.

V. SOURCES OF INFORMATION (CO-DECCE THE DECCE THE STATE OF CT; Dept. of Environmental Protection files: Hazardous Waste

Water Compliance
Air Compliance
EPAFORM 2070-12(7-81)

IV. COMMENTS